



**Bharath**

**INSTITUTE OF HIGHER EDUCATION AND RESEARCH**

(Declared as Deemed - to be - University under section 3 of UGC Act 1956)



**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**

No.173, Agharam Road, Selaiyur, Chennai , T.N - 600 073.

## REQUISITION LETTER

22.08.2019

From

The HOD

Department of ECE

Bharath Institute of Higher Education and Research

Selaiyur, Chennai-73

To

The Dean Engineering

Bharath Institute of Higher Education and Research

Selaiyur, Chennai-73

Respected Sir,

***Sub: Requisition for Undergoing Industrial visit -regarding***

The School of Electrical Engineering has planned to take students of ECE department to BSNL at Nungambakkam, Chennai. Hence in this regard, II year B.Tech Students of total strength 100 with 4 staff members will be going for the industrial visit on 04.09.2019. I request you to kindly grant permission for Industrial visit and also to provide Transport facility.

Thanking You

**HOD/ECE**





**BSNL**  
*Connecting India*

**21.08.2019**

From

Mr. S.Pattabiraman

Chief Engineer

BSNL T.N. Civil Zone ,6<sup>th</sup> Floor, Admn., Bldg.,

No. 2, Kush Kumar Road,

Nungambakkam, Chennai 600034

Sir,

**Sub : Request for Industrial Visit for B.Tech-ECE Students-Reg.**

Ref to the letter dated 12.08.2019 regarding industrial visit, we permit your B.Tech-ECE Students of strength 100 and four faculty members of Bharath Institute of Higher Education and Research to our company at Nungambakkam, Chennai on 04.09.2019 .

Thank you

**For BSNL T.N. Civil Zone**

**Mr. S. Pattabiraman**

**Chief Engineer**



## Photos of Industrial Visit



## Students Industrial Visit Report-BSNL

The **B.Tech** students of **Electronics and Communication Engineering**, Bharath Institute of Higher Education and Research, Selaiyur, Chennai-600073 were visited the BSNL, Nungambakkam branch on 04.09.2019. The students were taught about different modules namely switching, transmission and MDF (Main distribution function). In switching module, students learnt on practical aspects of call making and receiving. They were thought on how to create the calling number and how to check the dial tone. In transmission module, students were briefed about OFC communication and its uses, advantages, applications. The students were shown the real cables and its working procedure. In the MDF module, students learnt about the requirement of main distribution function. They were briefed about line side and exchange side of MDF. The students were shown the functioning parts of distribution unit. A telephone exchange consists of 4 functional blocks: 1) SWITCH ROOMS 2) MDF (Main Distribution Frames) 3) TRANSMISSION ROOMS 4) TELECOM SUPPORT INFRASTRUCTURE.

1) SWITCH ROOMS: a) It consists of digital electronic switches which guides the user to the destination by identifying a physical communication path. b) This identification is done with the help of logical or directory numbers. c) We were shown, how the switches work in real time, with an operating terminal.

2) MDF (MAIN DISTRIBUTION FRAME) a) All subscriber lines are terminated at the end of MDF. b) It consists of front (line) end and a back (switch) end which are interconnected with the help of a jumper. c) A safety point is created in MDF to avoid any damages caused due to faults at the customer end. The jumper of an MDF consists of gas discharge tubes which eliminates the faults.

3) TRANSMISSION ROOMS: a) The main function of transmission rooms is the interconnection of 2 exchanges within or outside the town. It involves optical fibre communication. b) Voice signals are first identified. 30 voice channels are combined with the help of first order European multiplexers which can handle a speed of 2.048Mbps. c) Pulse Code Modulation of voice signals are carried out along with digitization. Voice signals of frequency 0-4 KHz are converted to 64Kbps. The industrial visit was very helpful in providing us a better understanding of the theoretical concepts of the subject Digital Switching Systems.



## Students Name List:

S. No	Register No.	Student Name
1	U19EC101	CHIRUKURI SURYAVARMA
2	U19EC102	CHOKKA RAJU HARI PRASAD RAJU
3	U19EC103	CHOKKARAJU VENKAMA RAJU
4	U19EC104	CHUNCHU SAI KEERTHI
5	U19EC105	CHUNDURI VIVEK
6	U19EC106	DACHARLA VINAY
7	U19EC107	DAGGUBILLI SURESH
8	U19EC108	DAMERUPPULA ADARSH
9	U19EC109	DARAM KRISHNA REDDY
10	U19EC110	DARSI PRUDHVI
11	U19EC111	DEGA MURALI
12	U19EC112	DEV SHARAN A
13	U19EC113	DEVISETTI SATHISH
14	U19EC114	DHANDU VENKATESH
15	U19EC115	C DHANUSH
16	U19EC116	DHARUN KUMAR U
17	U19EC117	DOKKU VENKATESWARLU
18	U19EC118	DOMMETI YUVA SATYA SAI RAM
19	U19EC119	DORA BABU AVULA
20	U19EC120	DUDELA NAVEENA
21	U19EC121	DUDEKULA JOHN SHAI DA
22	U19EC122	DUDEKULA UBEDULLA
23	U19EC123	DULLA SIVA SATISH
24	U19EC124	DURBAKULA MOUNIKA
25	U19EC125	DUTHALURU GURU MADHU SUDHAN REDDY
26	U19EC126	DWARAMPUDI SAI DHANUNJAY REDDY
27	U19EC127	EEPENAGANDLA NARENDRA REDDY
28	U19EC128	EIRIGINENI VENKATA POORNA CHAN
29	U19EC129	EMANI VISHNU VARDHAN
30	U19EC130	ENJAMoor ARAVIND KUMAR REDDY
31	U19EC131	GADDAM HEMANTH UDAY KUMAR
32	U19EC132	GADE PAVAN KUMAR REDDY
33	U19EC133	GANDE VENKATANARAHARIGOPALAKRISHNA
34	U19EC134	GANDHAM VAMSI KRISHNA
35	U19EC135	GANDIKOTA SANTHI RAJU
36	U19EC136	GANESHBABU B
37	U19EC137	GANGAPURAM HRUSHIKESH REDDY



38	U19EC138	GANGAPURAM SAICHARAN
39	U19EC139	GANGARAJU SREEKANTH
40	U19EC140	GANGIREDDY GOWTHAMI
41	U19EC141	GANGIREDDY MANOHAR REDDY
42	U19EC142	GANGISETTI INDRANI
43	U19EC143	GANJI KASI REDDY
44	U19EC144	GANTENAPALLI PRAMOD RAHUL
45	U19EC145	GARLAPATI NARENDRA SAI
46	U19EC146	GEDALA KISHORE
47	U19EC147	GEDELA VIJAY
48	U19EC148	GIDIGI NAVEEN KUMAR
49	U19EC149	GOGULA PAVAN KUMAR
50	U19EC150	GONASANI MURALI KRISHNA
51	U19EC151	GONE VIJAY KUMAR
52	U19EC152	GOOTHY REDDY VISHWESHVAR REDDY
53	U19EC153	GOPARAPU MANOHAR REDDY
54	U19EC154	GOPI PALAPARTHI
55	U19EC155	GOPU GUNA SEKHAR
56	U19EC156	GORANTLA SIVA NAGASEKHAR
57	U19EC157	GOTTEMUKKULA HARSHITHA
58	U19EC158	GOURARAM MURALIKRISHNA GOUD
59	U19EC159	GOURISHETTI REVANTH
60	U19EC160	GUDAVALI KANAKA PHANI
61	U19EC161	GUDEBOINA PAVANSAI
62	U19EC162	GUDIVADA VIDYADHARA SAI
63	U19EC163	GUDUCHUTTI JITHENDRA
64	U19EC164	GUJJALA NIVAS
65	U19EC165	GULIPALLI NARENDRA
66	U19EC166	GUNDA SAICHAKRA
67	U19EC167	GUNDAM SAI TEJA
68	U19EC168	GUNDU SATHEESH KUMAR
69	U19EC169	GUNDUBOYINA SREE VEERANJANEYA REDDY
70	U19EC170	GUNTUPALLI LALLITHA PRAVALLIKA
71	U19EC171	GUNTUPALLI LAVANYA
72	U19EC172	GUNUPATI LAVANYA
73	U19EC173	GURAJARAPU SAI VENKATA GOWTHAM
74	U19EC174	HEMENDRA VENKATA SAI CHANDALURI
75	U19EC175	JAGATA YUVA RAJU
76	U19EC176	JAKKAMPUDI SARAVAN RAMA KRISHNA
77	U19EC177	JAKKULA DIXITH
78	U19EC178	JAMALAPURAM GANESH
79	U19EC179	JAMMIGUMPULA VAMSI KRISHNA
80	U19EC180	JAMMULA VIJAY



81	U19EC181	JAMMULURU VISHNUVARDHAN REDDY
82	U19EC182	J JASWANTH NAIDU
83	U19EC183	JATLA MURALI KRISHNA
84	U19EC184	JAVISETTI MARUTHI BRAHMARAJU
85	U19EC185	KABRAMBAM ASHISH SINGH
86	U19EC186	KADAKANCHI BHARATH
87	U19EC187	KAKI JOVEERA KALYAN
88	U19EC188	KAKKIRENI NIKHILESH
89	U19EC189	KALAVAKOLLU SRI MANIKUMAR
90	U19EC190	KALLEDA PARTTHU
91	U19EC191	KALVAPALLI SUSHMALINI
92	U19EC192	KAMEPALLI NAGESWARA RAO
93	U19EC193	KAMISSETTY ASHOK KUMAR
94	U19EC194	KAMMARI PRASHANTH ACHARI
95	U19EC195	KANAKANTI LOKESWAR REDDY
96	U19EC196	KANALA THARUN
97	U19EC197	KANAPARTHI RAMESH
98	U19EC198	KANASANI VISHNUVARDHAN REDDY
99	U19EC199	KANCHERLA MAHESH
100	U19EC200	KANDIMALLA VENKATA ABHILASH

